

AMENDMENTS TO THE CLAIMS

Following is a complete set of claims as amended with this Response. This complete set of claims excludes cancelled claims 14 and 19 and includes amended claims 2, 3, 5, 7, 12, 20-22, 25, and 26.

1. (Previously Cancelled)
2. (Currently Amended) The lead system of claim ~~[[14]]~~ 22, further comprising a plurality of electrodes in electrical contact with the at least one conductor.
3. (Currently Amended) The lead system of claim ~~[[14]]~~ 22, further comprising a radiation conduit capable of delivering radiation to the site.
4. (Previously Presented) The lead system of claim 3 wherein the radiation comprises a member selected from the group consisting of UV radiation, visible radiation, IR radiation, electrical radiation and/or magnetic radiation.
5. (Currently Amended) The lead system of claim ~~[[14]]~~ 22, wherein the lead body defines the one or more channels.
6. (Previously Presented) The lead system of claim 3, wherein the lead body houses the radiation conduit.
7. (Currently Amended) The lead system of claim ~~[[14]]~~ 22 and further comprising: a sheath surrounding the lead body.
8. (Previously Presented) The lead system of claim 7, wherein the sheath is rotatable with respect to the lead body.

9. (Withdrawn) A method comprising:
positioning a distal end of a lead having one or more electrodes in a patient's body adjacent a nerve; and
delivering adhesive from the lead to secure the lead in place with the one or more electrodes in electrical contact with the nerve.
10. (Withdrawn) The method of claim 9, further comprising delivering radiation to the adhesive.
11. (Withdrawn) The method of claim 9, further comprising administering nerve stimulation therapy via the one or more electrodes.
12. (Currently Amended) The lead system of claim [[14]] 22, wherein a distal end of the channel is adjacent to the at least one electrode, and wherein the lead body is secured to the tissue at a distal end of the lead body.
13. (Previously Presented) The lead system of claim 12, wherein the fixation member is disposed between the tissue and the at least one electrode.
14. (Cancelled)
15. (Previously Presented) A lead system configured for stimulating a nerve of a patient, the lead system comprising:
a reservoir module storing a first adhesive chemical component and a second adhesive chemical component;
a lead body having a distal end and a proximal end, the proximal end of the lead body coupled to the reservoir module;
a conductor extending through the lead body;
an electrode on the lead body and in electrical contact with the conductor, the electrode coupled to the nerve of the patient;

a first adhesive channel within the lead body, the first adhesive channel directing flow of the first adhesive chemical component to tissue of the patient;

a second adhesive channel within the lead body, the second adhesive channel directing flow of the second adhesive chemical component to the tissue of the patient;

wherein the first chemical adhesive component and the second adhesive chemical component are delivered to the tissue at the nerve site; and

an adhesive member adapted to fixate the lead body to tissue of the patient, the adhesive member comprising the first adhesive chemical component and the second adhesive chemical component.

16. (Previously Presented) The lead system of claim 15, wherein the adhesive channel terminates at a side opening disposed at a side of the lead body to deliver the first adhesive chemical component and the second adhesive chemical component at an intermediate region between the proximal and distal end of the lead body, and wherein the adhesive member fixates the lead at the intermediate region between the proximal and distal end of the lead body.

17. (Previously Presented) The lead system of claim 16, further comprising a radiation conduit delivering radiation to a site of the adhesive member, the radiation conduit having a side opening adjacent to the opening of the adhesive channel.

18. (Previously Presented) The lead system of claim 15, wherein the adhesive member is disposed at the nerve of the patient to establish electrical contact between the nerve and the electrode.

19. (Cancelled)

20. (Currently Amended) The lead system of claim ~~[[19]]~~ 26, ~~further comprising a wherein the~~ generator module ~~delivering~~ delivers radiation to a site of the adhesive member.

21. (Currently Amended) The lead system of claim system of claim [[14]] 22, wherein the adhesive or adhesive component is a liquid.

22. (Currently Amended) ~~The lead system of claim system of claim 14, further comprising~~ A lead system configured for stimulating a nerve of a patient, the lead system comprising:

a reservoir module storing an adhesive or an adhesive component;

a lead body having a proximal end and a distal end, the reservoir coupled to the proximal end of the lead body;

at least one conductor extending through the lead body;

at least one electrode on the lead body and in electrical contact with the at least one conductor;

one or more channels that allow for a flow of the adhesive or adhesive component to a nerve site to establish electrical contact between the nerve and the at least one electrode;

an adhesive member adaptive to fixate the lead body to tissue of the patient, the adhesive member comprising the adhesive or adhesive component to the nerve; wherein the one or more channels comprises a first channel and a second channel, the first channel allowing flow of a first chemical component of the adhesive or the adhesive component and the second channel allowing flow of a second chemical component of the adhesive or the adhesive component, and wherein the first chemical component and the second chemical component are delivered to the tissue at the nerve site; and

a securing unit coupled to the proximal end of the lead body, wherein the securing unit houses the reservoir module, a generator module, a mechanics module, and a connector module.

23. (Previously Presented) The lead system of claim system of claim 15, wherein the first adhesive chemical component and the second adhesive chemical component are liquids.

24. (Previously Presented) The lead system of claim system of claim 15, further comprising a securing unit coupled to the proximal end of the lead body, wherein the securing unit houses the reservoir module, a generator module, a mechanics module, and a connector module.

25. (Currently Amended) The lead system of claim system of claim [[19]] 26, wherein the adhesive or adhesive component is a liquid.

26. (Currently Amended) ~~The lead system of claim system of claim 19, further comprising~~ A lead system for securing an implantable lead in a patient, the system comprising:

a reservoir module storing an adhesive or an adhesive component;

a lead configured for stimulating a nerve of a patient, the lead comprising:

a lead body having a proximal end and a distal end;

a conductor extending through the lead body;

an electrode on the lead body and in electrical contact with the conductor,
the electrode coupled to the nerve of the patient;

an adhesive channel directing flow of an adhesive or an adhesive
component from the reservoir module to tissue of the patient;

wherein the adhesive channel comprises a first channel and a second
channel, the first channel allowing flow of a first chemical component of the adhesive or
the adhesive component and the second channel allowing flow of a second chemical
component of the adhesive or the adhesive component, and wherein the first chemical
component and the second chemical component are delivered to the tissue at the nerve
site;

an adhesive member adapted to fixate the lead body to the tissue of the patient,
the adhesive member comprising the adhesive or the adhesive component; and

a securing unit coupled to the proximal end of the lead body, wherein the securing unit houses the reservoir module, a generator module, a mechanics module, and a connector module.